

ABSTRACT

5 An aluminum alloy contains at least 0.0001 mass % and not more
than 0.03 mass % of copper, at least 0.0005 mass % and not more than 0.2
mass % of silicon, at least 0.5 mass % and not more than 4 mass % of
manganese and at least 0.5 mass % and not more than 3 mass % of iron,
and the rest contains aluminum and unavoidable impurities. The
aluminum alloy further contains at least one of at least 0.01 mass % and
not more than 0.5 mass % of chromium, at least 0.01 mass % and not more
10 than 0.5 mass % of titanium and at least 0.01 mass % and not more than
0.5 mass % of zirconium. An aluminum alloy foil is prepared by heating
up the aluminum alloy to a temperature of at least 350°C and not more than
580°C, holding the same immediately after the heating up or retaining an
ingot of the aluminum alloy at a temperature of at least 350°C and not
15 more than 530°C for not more than 15 hours, thereafter performing hot
rolling at a starting temperature of at least 350°C and not more than 530°C,
thereafter performing cold rolling and thereafter performing softening.